

AI113131.Emest6

!!NA_SEQUENCE 1.0

ID AI113131 standard; RNA; EST; 315 BP.
XX
AC AI113131;
XX
SV AI113131.1
XX
DT 04-SEP-1998 (Rel. 56, Created)
DT 15-MAR-1999 (Rel. 59, Last updated, Version 2)
XX
DE UI-R-C2p-nr-f-06-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone
DE UI-R-C2p-nr-f-06-0-UI 3', mRNA sequence.
XX
KW EST.
XX
OS Rattus norvegicus (Norway rat)
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria;
OC Rodentia; Sciurognathi; Muridae; Murinae; Rattus.

XX
RN [1]
RP 1-315
RX MEDLINE; 97044477.
RA Bonaldo M.F., Lennon G., Soares M.B.;
RT "Normalization and subtraction: two approaches to facilitate gene
RT discovery";
RL Genome Res. 6(9):791-806(1996).
XX
CC Contact: Soares, MB
CC Program for Rat Gene Discovery and Mapping
CC University of Iowa
CC 451 Eckstein Medical Research Building Iowa City, IA 52242, USA
CC Tel: 319 335 8250
CC Fax: 319 335 9565
CC Email: msoares@blue.weeg.uiowa.edu
CC Oligo-dT track not found, Not I site shown in beginning of sequence
CC is likely internal to the message. cDNA Library Preparation: M.
CC Fatima Bonaldo, Ph.D. Clone distribution: clones will be available

CC through Research Genetics The following repetitive elements were
CC found in this cDNA sequence: 97-125, >GC_rich#Low_complexity
CC Seq primer: M13 Forward.

XX
FH Key Location/Qualifiers
FH
FT source 1. .315
FT /db_xref="taxon:10116"
FT /db_xref="ESTLIB:1413"
FT /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
FT polylinker; Site_1: Not I; Site_2: Eco RI; The UI-R-C2p
FT library is a subtracted library derived from the UI-R-C1
FT library, which is a subtracted library derived from the

FT UI-R-C0 library. The UI-R-C0 library consisted of a
FT mixture of individually tagged normalized libraries
FT constructed from rat placenta, adult lung, brain, liver,
FT kidney, heart, spleen, ovary, muscle, 8, 12 and 18-day

FT by then the not 1 site and the 1190-AT track which allow
 FT identification of the library of origin of a clone within
 FT the mixture. The subtracted library (UI-R-C2p) was
 FT constructed as follows: PCR amplified cDNA inserts from
 FT UI-R-C1 clones from which 3' ESTs had been derived was us
 FT as a driver in a hybridization with the UI-R-C1 library i
 FT the form of single-stranded circles. The remaining
 FT single-stranded circles (subtracted library) was purified
 FT by hydroxyapatite column chromatography, converted to
 FT double-stranded circles and electroporated into DH10B
 FT bacteria (Life Technologies) to generate the UI-R-C2p
 FT library. This procedure has been previously described
 FT (Bonaldo, Lennon and Soares, Genome Research 6: 791-806,
 FT 1996)"
 FT /organism="Rattus norvegicus"
 FT /strain="Sprague-Dawley"
 FT /clone="UI-R-C2p-nr-f-06-0-UI"
 FT /clone_lib="UI-R-C2p"
 FT /dev_stage="adult"
 FT /lab_host="DH10B (Life Technologies)"
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SQ Sequence 315 BP; 46 A; 110 C; 116 G; 43 T; 0 other;

Ai113131 Length: 315 March 20, 19100 09:52 Type: N Check: 7433 ..

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101  GAGCGCCGCG CCGCGCCGCC GGGGCACAGC AGCTGCACCC GCTGCGCGCG
151  GTAGCGATCC GGGATGCAGC GGAAGTCGGG TCCGTTCGGG CGCCACCACT
201  TCACGCGCCC GATGGCGTTG GGCAGCAGCC GCGCGGGGCC GCACTGGCCC
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301  CACGAAGCGG GTGTA

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Hs1222641.Erest24

!!NA_SEQUENCE 1.0

ID HS1222641 standard; RNA; EST; 180 BP.
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AC AA393939;
XX
SV AA393939.1
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DT 19-MAY-1997 (Rel. 51, Created)
DT 19-MAY-1997 (Rel. 51, Last updated, Version 1)
XX
DE zv64f09.r1 Soares total fetus Nb2HF8 9w Homo sapiens cDNA clone
DE 758441 5'.
XX
KW EST.
XX
OS Homo sapiens (human)
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria;
OC Primates; Catarrhini; Hominidae; Homo.
XX
RN [1]
RP 1-180

RA Hillier L., Allen M., Bowles L., Dubuque T., Geisel G., Jost S., Kucaba T
RA Lacy M., Le N., Lennon G., Marra M., Martin J., Moore B., Schellenberg K.
RA Steptoe M., Tan F., Theising B., White Y., Wylie T., Waterston R.,
RA Wilson R.;
RT "WashU-Merck EST Project 1997";
RL Unpublished.
XX
DR RZPD; IMAGp998G181865Q6; 16-Jul-1999.
XX
CC Contact: Wilson RK WashU-Merck EST Project Washington University
CC School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis,
CC MO 63108 Tel: 314 286 1800 Fax: 314 286 1810 Email:
CC est@watson.wustl.edu This clone is available royalty-free through
CC LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for

CC further information. Putative full length read The vector to vector
CC length is Seq primer: -28m13 rev2 ET from Amersham.
XX
FH Key Location/Qualifiers
FH
FT source 1. .180
FT /db_xref="taxon:9606"
FT /db_xref="ESTLIB:843"
FT /db_xref="RZPD:IMAGp998G181865Q6"
FT /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
FT polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA
FT was prepared from mRNA obtained from pooled 8-9 week
FT (total) fetus material with a Not I - oligo(dT) primer [5'

FT TGTTACCAATCTGAAGTGGGAGCGGCCGCTTAATTTTTTTTTTTTTTTTTT 3'].
FT Double-stranded cDNA was ligated to Eco RI adaptors
FT (Pharmacia), digested with Not I and cloned into the Not I
FT and Eco RI sites of the modified pT7T3 vector. Library wer

FT through one round of normalization, and was constructed
FT Bento Soares and M. Fatima Bonaldo."
FT /organism="Homo sapiens"
FT /clone="758441"
FT /clone_lib="Soares total fetus Nb2HF8 9w"
FT /dev_stage="8-9 weeks"
FT /lab_host="DH10B"
FT mRNA <1. .>180
XX
SQ Sequence 180 BP; 61 A; 27 C; 55 G; 37 T; 0 other;

Hs1222641 Length: 180 March 17, 19100 09:46 Type: N Check: 9094 ..

1 GAGAGAGAGA GAGAAAGAGA CTATTGGCAT ATGATTCCAA GGACTCCAGT
51 GCCAGTTGAA TGGGCAGAGG TGAGAGAGAG AGAGAGAAAG AGAGAGAATG
101 AATGCAGTTG CATTGATTCA GTGCCAAGGT CACTTCCAGA ATTCAGAGTT
151 GTGATGCTCT CTTCTGACAG CCAAAGATGA

Ja263085_0001.Dna /rev
Enhum1:Ac003098

ID AC003098 standard; DNA; HUM; 94752 BP.
AC AC003098;
SV AC003098.1
DT 14-NOV-1997 (Rel. 53, Created)
DT 05-JUL-1999 (Rel. 60, Last updated, Version 11)
DE Homo sapiens chromosome 17, clone HRPC905N1, complete sequence.
KW HTG.
OS Homo sapiens (human)
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria;
OC Primates; Catarrhini; Hominidae; Homo.
RN [1]
RP 1-94752
RA Birren B., Fasman K., McKernan K., Nusbaum C., Richardson P., Lander E.;
RT "Homo sapiens chromosome 17, clone HRPC905N1";
RL Unpublished.
RN [2]
RP 1-94752
RA Birren B., Fasman K., McKernan K., Munro C., Nusbaum C., Richardson P.,
RA Lander E., Baldwin J., Barna N., Cantu C., Chang A., Cooke P., Daly M.J.,
RA Devon K., Dewar K., DuRette B., Forrest C., Gage D., Gensheimer S.,
RA Geraigery K., Gilmartin T., Hagos B., Halphen I., Harris K., Howland J.C.,
RA Huang J., Hui L., Jacotot L., Kirby A., Lane M., MacKenzie J., Marquis N.,
RA McDermott J., Molla M., Morrow J., Nachman A., Naylor J., O'Connor T.,
RA Olotu A., Peterson K., Roberts D., Rollins G., Sarnaik A., Shiu P.,
RA Shyam R., Stilwell J., Stone C., Strickland C., Sydney K., Tang L.,
RA Zemtseva I., Zody M.;
RT ;
RL Submitted (10-NOV-1997) to the EMBL/GenBank/DBJ databases.
RL Whitehead Institute/MIT Center for Genome Research, 320 Charles Street,
RL Cambridge, MA 02141, USA
RN [3]
RP 1-94752
RA Birren B., Fasman K., McKernan K., Nusbaum C., Richardson P., Lander E.,
RA Allen N., Baker J., Baldwin J., Barna N., Beckerly R., Boutwell C.,
RA Byrne S., Cantu C., Castle A., Cooke P., Daly M.J., Depayre E., Devon K.,
RA Dewar K., DuRette B., Etemadi S., Ferreira P., Forrest C., Gage D.,
RA Gardyna S., Gensheimer S., Geraigery K., Gilmartin T., Gray D., Hagos B.,
RA Harris K., Horton L., Howland J.C., Hui L., Jacotot L., Linton L.,
RA MacKenzie J., Marquis N., McEwan P., McGurk A., Meldrim J., Molla M.,
RA Morris W., Morrow J., Nachman A., Naylor J., O'Connor T., Pavlin B.,
RA Peterson K., Ranganath S., Riley R., Roberts D., Rollins G., Rossello R.,
RA Roy A., Shyam R., Soohoo S., Stilwell J., Stone C., Strickland C.,
RA Sydney K., Tang L., Vassiliev H., Vo A., Wagner A., Wheeler J., Wu Y.,
RA Ye W.J., Zemtseva I., Zhao J., Zody M.;
RT ;
RL Submitted (29-JAN-1998) to the EMBL/GenBank/DBJ databases.
RL Whitehead Institute/MIT Center for Genome Research, 320 Charles Street,
RL Cambridge, MA 02141, USA
CC All repeats were identified using RepeatMasker: Smit, A.F.A. &
CC Green, P. (1996-1997) . . .

SCORES Initl: 10214 Initn: 10214 Opt: 10221 z-score: 3674.2 E():
99.4% identity in 2073 bp overlap

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                2269      2259      2249      2239      2229      2219
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                2209      2199      2189      2179      2169      2159
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                2089      2079      2069      2059      2049      2039
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                2029      2019      2009      1999      1989      1979
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                1969      1959      1949      1939      1929      1919
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                1909      1899      1889      1879      1869      1859
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                1849      1839      1829      1819      1809      1799
Sa263085_000      AGCTGTTTTCTAGGCAGAAATGTGTCCGTGAGTGGTGGGCAGAAGGCGGTGTCTCAAAAAG
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	1729	1719	1709	1699	1689	1679
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	1669	1659	1649	1639	1629	1619
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	1609	1599	1589	1579	1569	1559
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	1549	1539	1529	1519	1509	1499
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	1489	1479	1469	1459	1449	1439
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Ac003098	CCGTAAATATGTCAGCCATAAATAGACTCTTTACTTTTTTTTTTCTGTTTGTTTTTCATC					
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	1429	1419	1409	1399	1389	1379
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	5130	5140	5150	5160	5170	5180
	1369	1359	1349	1339	1329	1319
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	1309	1299	1289	1279	1269	1259
Sa263085_000	AAGGCACTGGAGTCCTTGAATCATATGCCAATAGTCTCCTCGAGATCCTATTCCCACCT					
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	1129	1119	1109	1099	1089	1079
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	1069	1059	1049	1039	1029	1019
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 Ac003098
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 6330 6340 6350 6360 6370 6380